Balanced use of fertilizers

4089. SHRI NILOTPAL BASU.
SHRIMATI CHANDRAKALA PANDEY:

Will the Minister of CHEMICALS AND FERTILIZERS be pleased to state:

(a) whether it is a fact that the balanced use of fertilizers has totally been jeopardized and the present N.P.K. ratio has become 15:4:1;

(b) if so, what steps are being taken by Government to bring the ratio to the ideal balance i.e. 4:2:1; and

(c) to what extent the services of Fertilizers Promotion and Agricultural Research Division of Hindustan Fertilizer Corporation Limited is being utilised for this purpose?

THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS (SHRI EDUARDO FALEIRO): (a) After decontrol of fertilizers some imbalance in NPK ratio has occured. However, the position has gradually started improving and the present NPK ratio is 8.2:2.5:1 (1994-95 estimated).

(b) The Government have taken following measures to narrow down the imbalance:—

(i) The scheme for special concessions on the sale of phospathic and potassic fertilizers initiated, after decontrol of these fertilizers during 1992-93, has been continued since then.

(ii) A scheme on balanced and integrated use of fertilizers has been taken up during the 8th Plan, under which integrated use of nutrients through the use of organic manure, bio-fertilizers and micro-nutrients is being promoted alongwith the use of chemical nutrients.

(iii) A National Project on 'Development of Fertilizer Use in Low Consumption and Rainfed Areas' has been taken up during 1994-95, under which green manure as well as integrated nutrient system is being promoted.

(iv) Under the National Project on Development and Use of Bio-fertilizers, the production, distribution and use of bio-fertilizers is being promoted.

(v) States have been advised to organise training programmes for education of farmers about balanced fertilizer use.

(c) After the conclusion of the U.K. aided Indo-British Fertilizer Education Project, the services of Fertilizer Promotion and Agricultural Research Division (FP&ARD) of HFC are largely being utilised for the normal marketing functions of HFC. In addition, the Indian Council of Agriculture Research under their "Lab to Land Programme" has inducted HFC for establishing Krishi Vigyan Kendras. FP&ARD has started training, demonstration and other activities like horticulture, fisheries, poultry as a part of the Krishi Vigyan Kendras at Durgapur and Sindri. HFC is also being involved in formulating intensive programme for training the farmers in the use of bio-pesticides and eco-friendly systems from 1995-96.

Production of Fertilizers

4090. SHRI SANJAY DALMIA: Will the Minister of CHEMICALS AND FERTILIZERS be pleased to state:

(a) the total production of each of the fertilizers in the country during 1992, 1993 and 1994

(b) the system being adopted to ensure availability of fertilizers to small farmers;

(c) the total demand made by the States for fertilizers during the above period;

(d) the gap between the demands and the supplies made to States in 1994;

(e) the reasons therefor; and

(f) the amount of subsidy proposed to be paid by the Government to the States?

THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS (SHRI EDUARDO FALEIRO): (a) The details of production of each of the fertilizers in the country during 1991-92, 1992-93 and 1993-94 are given in the Statement to this reply (*See* below).

(b) Crop season-wise fertilizer supply plans are formulated to ensure timely supply of controlled fertilizers in the various States. The prices of controlled fertilizers are uniform for all the categories of farmers. However, ensuring availability to the different categories of farmers is primarily the concern of the State Governments. With a view to improving availability of fertilizers to small farmers, Government have advised *State Goernments and fertilizer industry* to make fertilizers available in small bags, particularly in hilly and inaccessible areas.

The overall availability of controlled fertilizers is regularly monitored in coordination with State Government's fertilizer manufacturers, pool handling agencies and the Railways. Government also keeps a watch over the availability of decontrolled fertilizers.

(c) to (e) The details of consumption, production and import of fertilizer nutrients (N+P+K) in the last three years are given below:

(Lakh Tonnes)

	Consumption (N+P+K)	Production (N+P)	Imports* (N+P+K)
1992-93	121.55	97.36	29.76
1993-94	123.66	90.47	31.67
1994-95	138.30 (Provisional)	104.37	29.65

*These figures also include estimated imports of DAP and MOP on private trade account.

For production of fertilizers in the country, indigenous raw materials are available mainly for nitrogen (N), and roughly 80 per cent requirement of nitrogen is met through indigenous production. In the case of phosphate (P), the demand is mostly met through imports, either in the form of finished products or in the form of raw materials/intermediates for domestic production. Potash (K) is fully imported as there are no known and exploitable reserves of Potash in the country.

(f) Subsidy in respect of controlled fertilizers is being given to the manufacturers directly and not through the States.

Statement

The Production of each of the fertilizers in the country during 1991-92, 1992-93 *and* 1993-94

('000 MT)

Name of Product	Production 1991-92			Production 1992-93			Production 1993-94		
	Qty	N	P	Qty	N	P	Qty	N	P
Urea	12830.7	5902.1	0.0	13122.9	6036 5	0 0	13148.3	6048 2	0 0
A/S	547.0	114.9	0.0	561.8	118 0	0.0	621.9	130.6	0.0
CAN	447.2	111.8	0.0	545.1	136 3	0.0	566.2	166 6	0 0
A/C	112.6	28.1	0 0	122.3	30.6	0.0	130.7	32 7	0 0
DAP	2865.3	515.8	1318 0	2595.4	467 2	1193 9	1950 6	351.1	897.3
20:20	654.5	130.9	130 9	859.6	171.9	171.9	882.9	176. 6	176.6
SSP	3009.0	0.0	481 4	2250.7	0.0	360.1	1900.0	0.0	304 0
15:15:15	336.1	50.4	50.4	351.5	52.7	52.7	303.1	45.5	45.5
ANP (20.7:20.7)	276.8	57.3	57.3	290.1	60.1	60.1	267.2	55.3	55.3
17:17:17	695.0	118.2	118.2	690.4	117.4	117.4	483.7	54.4	82 2
10:26:26	335.5	33.6	87.2	281.3	28.1	73.1	251.0	25.1	65.3
12:32:16	323.2	38.8	103.4	275.1	33.0	88.0	193 2	23.2	61.8
14:35:14	18.8	2.6	6.6	29.7	4.2	10.4	10.6	1.5	3.7
19:19:19	175.6	33.4	33.4	122.9	23.4	23.4	129.4	24.6	24.6
28:28	382.2	107.0	107 0	342.9	96.0	96.0	284.2	79.6	79.6
16:20	103.2	16.5	20.6	104.7	16 8	20.9	87.8	14 0	17.6
23:23	140.3	32.3	32.3	166.4	38.3	38.3	10.2	2.3	2.3
14:28:14	55.0	7.7	15.4	0 0	0.0	0.0	0.0	0.0	0.0
TOTAL	23308.0	7301.3	2562.2	22712.8	7430.3	2306.2	21321.0	7231.2	1815.7